

claims.

WE CLAIM:

1. A method of making a sheet electrode with a predetermined thickness for an electric double layer capacitor by carrying out
5 a roller rolling process in which a long sheet intermediate is made from a material containing a carbonaceous powder, a conductive assistant and a binder and thereafter, the sheet intermediate is passed between a pair of rolling rollers to be wound up by a winding section while being drawn out of a drawing
10 section, the roller rolling process including:

drawing the sheet intermediate out of the drawing section under a predetermined tension applied to the sheet intermediate, and controlling a widthwise position of the sheet intermediate immediately before the rolling rollers by an edge position
15 controller; and

winding the sheet intermediate rolled by the rollers onto a winding section while the winding section is applying a predetermined pressure to a rolling side drive roller located adjacent to the winding section and rotated at a predetermined
20 speed.

2. A method according to claim 1, wherein the roller rolling step includes a slitting process of slitting both widthwise ends of the rolled sheet intermediate lengthwise so that the sheet
25 intermediate has a predetermined width, and in the slitting step, the rolled sheet intermediate is caught on and adhered to the drive roller and a slitting blade is pressed against a part of the intermediate adhered to the drive roller.

3. A roller rolling machine making a sheet electrode with a predetermined thickness for an electric double layer capacitor by carrying out a roller rolling step in which a long sheet intermediate is made from a material containing a carbonaceous powder, a conductive assistant and a binder and thereafter, the sheet intermediate is passed between a pair of rolling rollers to be wound up by a winding section while being drawn out of a drawing section, the apparatus comprising:

a tension control device controlling a tension of the sheet intermediate drawn out of the drawing section so that the tension is constant;

an edge position control device controlling a widthwise position of the sheet intermediate located immediately before the rolling rollers;

a winding side drive roller located adjacent to the winding section so as to be rotated at a predetermined speed; and

a pressing element applying a predetermined pressure to the winding side drive roller so that the winding section is pressed against the drive roller.

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4. A roller rolling machine according to claim 3, further comprising a slitting unit slitting both widthwise ends of the rolled sheet intermediate lengthwise so that the sheet intermediate has a predetermined width, wherein the rolled sheet intermediate is caught on the and adhered to the drive roller and the slitting unit includes a slitting blade pressed against the drive roller.

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